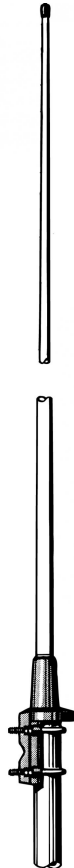


# CXL 230-1LW/DAB

## Universal, Unity-Gain Base Station and Marine DAB Antenna

### DESCRIPTION

- This multi-purpose, omnidirectional, rod-type base station and marine antenna covers the DAB band and can be used in a wide variety of applications.
- The broad-banded  $\frac{1}{2} \lambda$  dipole antenna element is sealed in a high-quality glass fibre tube with low wind-load, which will ensure performance undisturbed by corrosive environments.
- Approximately 0 dBd gain.
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both SWR and gain.
- All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 230-1LW/DAB is a vibration-proof, lightweight, slim-line, corrosion-resistant, modern style base station and marine antenna.



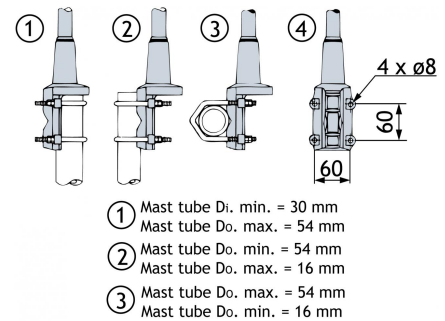
### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 230-1LW/DAB	110000114

### SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 230-1LW/DAB
ANTENNA TYPE	$\frac{1}{2} \lambda$ coaxial dipole, broad-banded
FREQUENCY	223 - 240 MHz
IMPEDANCE	Nom. 50 $\Omega$
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	17 MHz
SWR	< 1.5
MAX. POWER	150 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30° C $\rightarrow$ +70° C
CONNECTOR	N-female
WIND SURFACE	0.0172 m <sup>2</sup>
WIND LOAD	22 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 1.26 m (Dep. on frequency)
WEIGHT	Approx. 760 g
MOUNTING	On 16 to 54 mm dia. mast tube

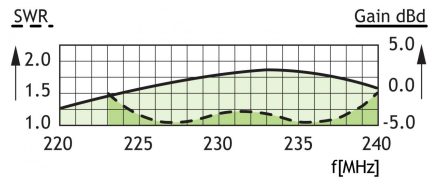
### MULTI-PURPOSE MOUNTING BRACKET



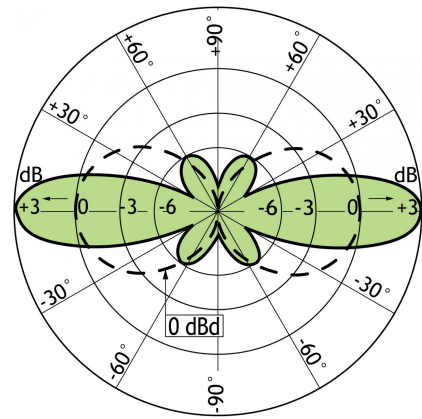
### PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

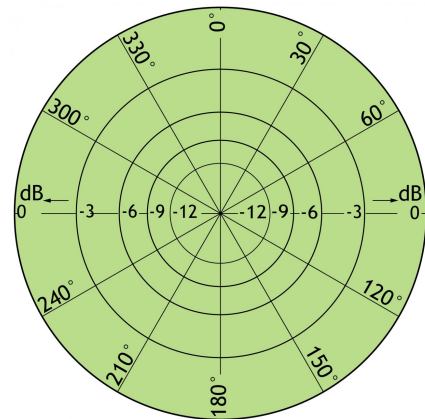
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.  
03/12/13